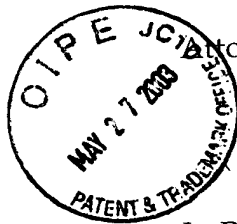


#5



Attorney's Docket No.: 42390.P6761

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Callum

Examiner: Christopher A. Revak

Application No. 09/306,227

Art Unit: 2131

Filed: 05/06/1999

For: METHOD AND APPARATUS TO  
VERIFY CIRCUIT OPERATING  
CONDITIONS

RECEIVED

MAY 29 2003

Technology Center 2100

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Alexandria VA 22313-1450

SUBMISSION OF FORMAL DRAWINGS

Sir:

Applicants respectfully submit five sheets of drawings as follows: Figs. 1, 2, 3,  
4, and 5.

If the Examiner believes a telephone conference would expedite or assist in  
the allowance of the present application, the Examiner is invited to call John Ward at  
(408) 720-8300.

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any  
charges that may be due.

Respectfully submitted,

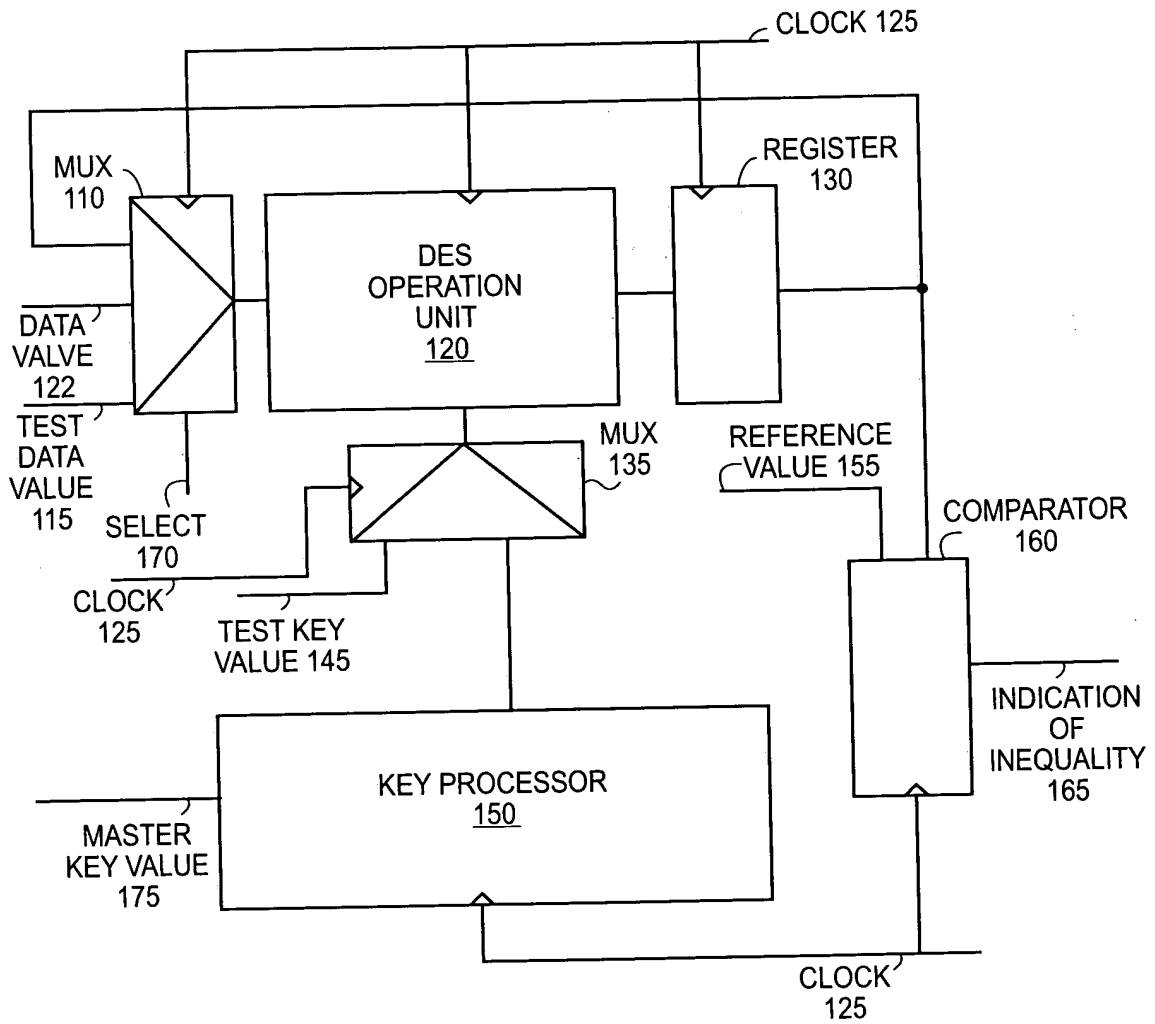
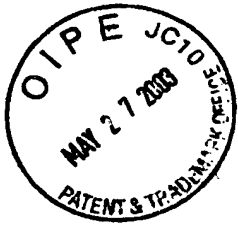
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Date: 05/23/2003

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Los Angeles, CA 90025-1026  
(408) 720-8300

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100

FIG. 1

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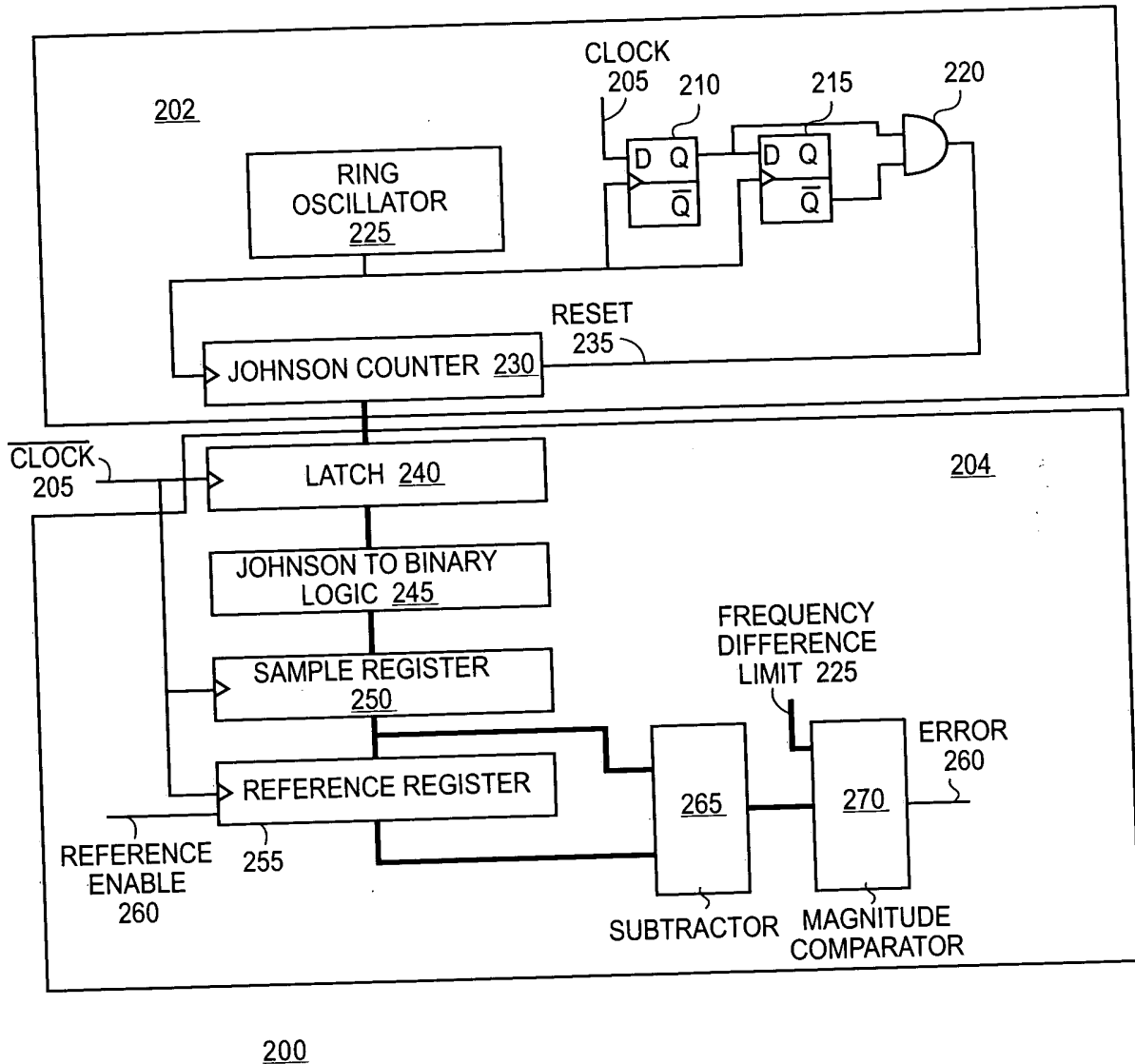
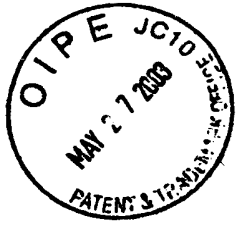


FIG. 2

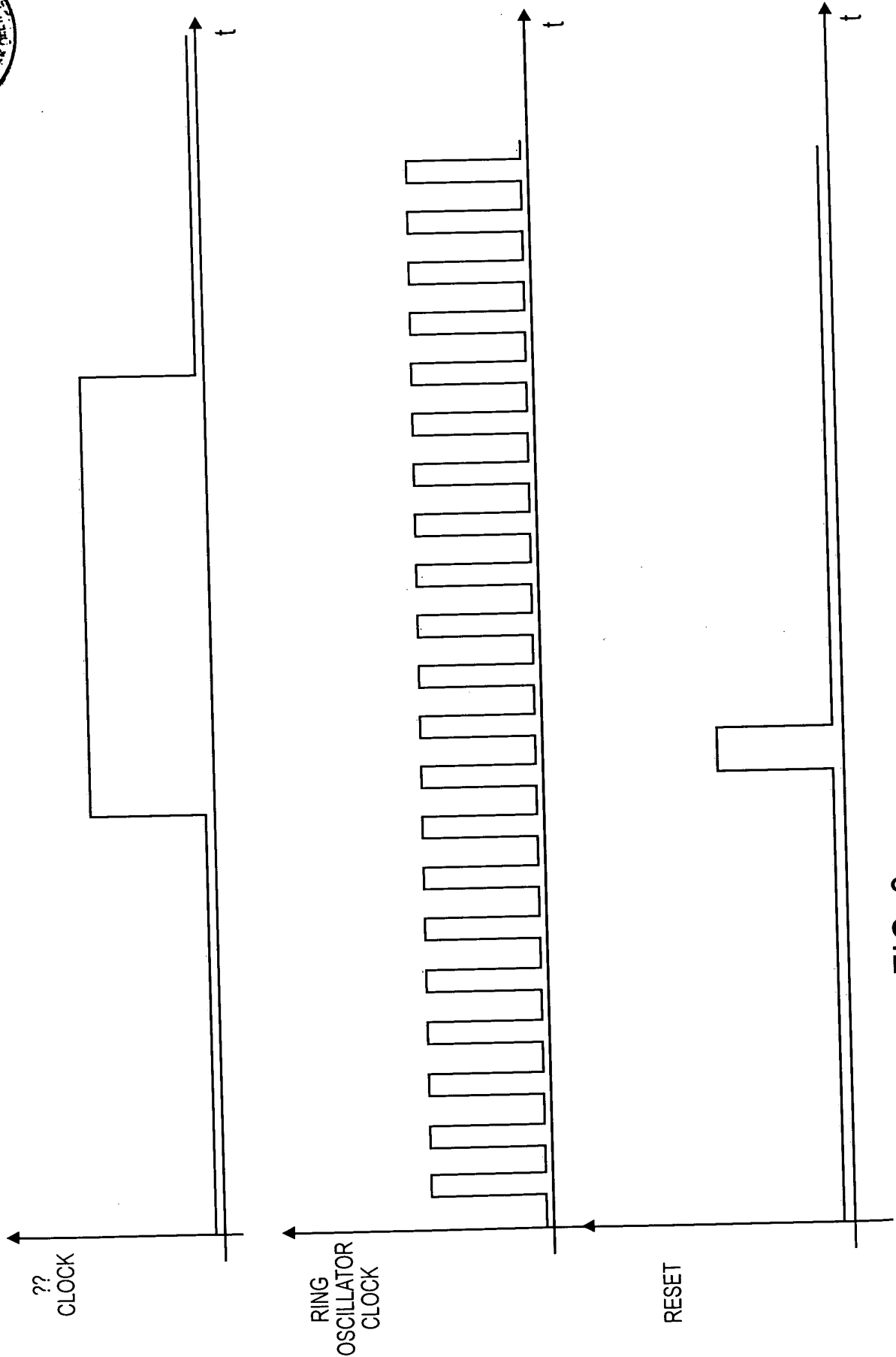
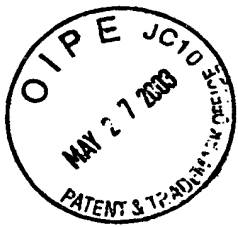


FIG. 3

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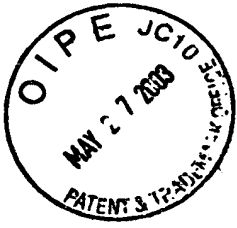


SELECT TEST DATA VALUE FOR INPUT TO DES UNIT <u>410</u>	SELECT TEST KEY VALUE FOR INPUT TO DES IUNIT <u>420</u>	PROCESS N ROUNDS DES OPERATION <u>430</u>	STORE TEST RESULT IN REGISTER <u>440</u>		CLOCK
COMPARE TEST RESULT WITH REFERENCE VALUE <u>450</u>	OUTPUT INDICATION OF EQUALITY OF TEST RESULT AND REFERENCE VALUE <u>460</u>	SELECT DATA VALUE FOR INPUT TO DES UNIT <u>470</u>	SELECT KEY VALUE FOR INPUT TO DES UNIT <u>480</u>	PROCESS N ROUNDS DES OPERATION <u>490</u>	CLOCK
SELECT TEST DATA VALUE FOR INPUT TO DES UNIT <u>415</u>	SELECT TEST KEY VALUE FOR INPUT TO DES IUNIT <u>425</u>	PROCESS N ROUNDS DES OPERATION <u>435</u>			CLOCK

400

FIG. 4

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COMPUTE COUNT CORRESPONDING TO CLOCK PERIOD <u>510</u>	STORE COUNT IN REFERENCE REGISTER <u>520</u>		CLOCK 0
COMPUTE COUNT CORRESPONDING TO CLOCK PERIOD <u>530</u>	SUBTRACT COUNT FROM VALUE IN REFERENCE REGISTER <u>540</u>	COMPARE ABSOLUTE DIFFERENCE WITH LIMIT VALUE <u>550</u>	CLOCK 1
		OUTPUT INDICATION OF WHETHER CLOCK PERIOD IS OUTSIDE LIMITS <u>560</u>	

500

FIG. 5